

**ERD**

**DSD/Tables**

Depending on the situation, you may look at Tables first then normalise to finalise DSD then Tables or start with the DSD. Review data provided and functional requirements. - See Page 35-36 of Text

**DSD**

**Tables**

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**Data Dictionaries**

**tblCustomers**

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| **Field** | **Data Type** | **Field Size** | **Input Mask** | **Caption** | **Decsription** | **Validation Rule** | **Validation text** |
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**tblPizzas**

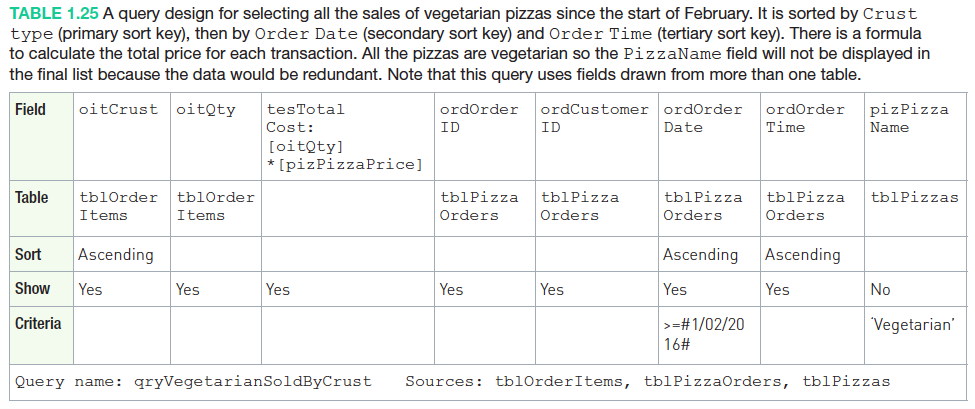
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| **Field** | **Data Type** | **Field Size** | **Input Mask** | **Caption** | **Decsription** | **Validation Rule** | **Validation text** |
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**tblPizzaOrders**

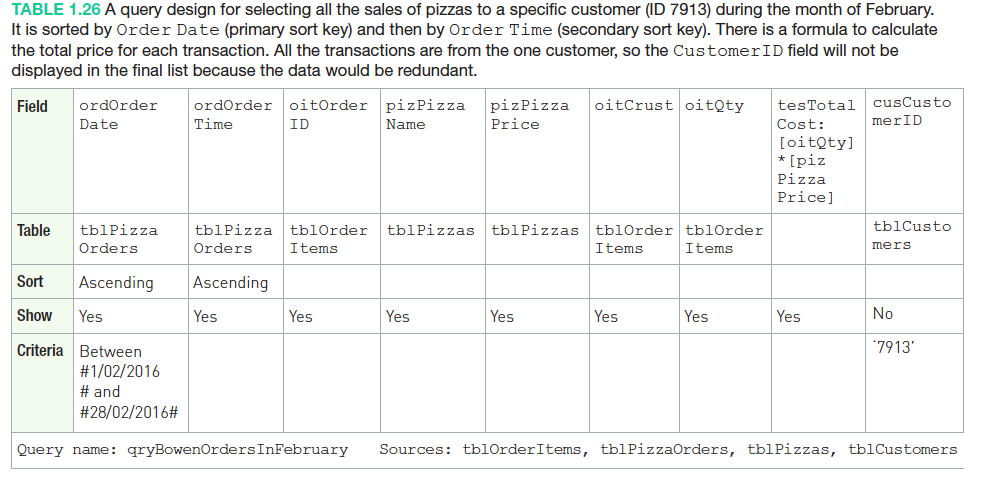
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| **Field** | **Data Type** | **Field Size** | **Input Mask** | **Caption** | **Decsription** | **Validation Rule** | **Validation text** |
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**tblOrrderItems**

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| **Field** | **Data Type** | **Field Size** | **Input Mask** | **Caption** | **Decsription** | **Validation Rule** | **Validation text** |
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**Query Design**

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| **Field** |  |  |  |  |  |  |  |  |  |
| **Table** |  |  |  |  |  |  |  |  |  |
| **Sort** |  |  |  |  |  |  |  |  |  |
| **Show** |  |  |  |  |  |  |  |  |  |
| **Criteria** |  |  |  |  |  |  |  |  |  |
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| **Field** |  |  |  |  |  |  |  |  |  |
| **Table** |  |  |  |  |  |  |  |  |  |
| **Sort** |  |  |  |  |  |  |  |  |  |
| **Show** |  |  |  |  |  |  |  |  |  |
| **Criteria** |  |  |  |  |  |  |  |  |  |
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**Testing**

Use data from pages 34/35

Test all validations to test – blanks, wrong data types, wrong range

**Validation Testing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Field | Values | Expected | Actual |
| tblCustomers | CustomerID |  | Error |  |
| tblCustomers | CustomerID |  | Okay |  |
| tblCustomers | Post Code |  | Error |  |
| tblCustomers | Post Code |  | Okay |  |
| tblOrderItems | Crust |  | Okay |  |
| tblOrderItems | Quantity |  | Error |  |
| tblOrderItems | Quantity |  | Okay |  |
| tblOrderItems | Crust |  | Error |  |
| tblPizza | Pizza ID |  | Error |  |

**Input Masks**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table | Field | Values | Expected | Actual |
| tblCustomers | CustomerID |  | Not permitted |  |
| tblCustomers | Post Code |  | Not permitted |  |
| tblCustomers | Mobile |  | Not permitted |  |
| tblPizzaOrders | OrderDate |  | Not permitted or error message |  |
| tblPizza | Pizza ID |  | Not permitted or error message |  |

Added data to better test queries: Sorts, calculated fields and Criteria

**Queries**

1. Vegetarian sold after Feb 1 2016, sorted by Crust, then order date then order time,   
   Total Cost calculated field
2. Select all pizza sold during February to customer 7913 (Bowen) sorted by order date then order time, Total Cost calculated field